

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	3528191
<b>Application Number:</b>	10519322
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	9113
<b>Title of Invention:</b>	IMPROVING HIERARCHICAL 8PSK PERFORMANCE
<b>First Named Inventor/Applicant Name:</b>	Ernest C Chen
<b>Customer Number:</b>	20991
<b>Filer:</b>	Todd N. Snyder/Janet Shibata
<b>Filer Authorized By:</b>	Todd N. Snyder
<b>Attorney Docket Number:</b>	PD-202109
<b>Receipt Date:</b>	26-JUN-2008
<b>Filing Date:</b>	23-DEC-2004
<b>Time Stamp:</b>	21:09:38
<b>Application Type:</b>	U.S. National Stage under 35 USC 371

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 180
RAM confirmation Number	4628
Deposit Account	500383
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. 1.492 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/Message Digest	Multi Part /.zip	Pages (if appl.)
1		PD-202109-IDS-efile-062608.pdf	227650 6e0a09c231639d9e5623f1aeb1e3a7dd 5ed7112f1	yes	5
<b>Multipart Description/PDF files in .zip description</b>					
	<b>Document Description</b>		<b>Start</b>		<b>End</b>
	Information Disclosure Statement (IDS) Filed		1		3
	Information Disclosure Statement Letter		4		5
<b>Warnings:</b>					
<b>Information:</b>					
2	Foreign Reference	WO0113532A1.pdf	1807099 b146b8f5cbb8544e5219f5387cd8398 9b6cd2c7	no	40
<b>Warnings:</b>					
<b>Information:</b>					
3	Foreign Reference	WO0079753A1.pdf	1838916 ca8d4d1032b6f542b0e451d761125870c ca9c05d	no	47
<b>Warnings:</b>					
<b>Information:</b>					
4	NPL Documents	PD-202111-FinalRejection.pdf	656407 ecc39da38cd81a7b651d171ab09c8c7979 40790289	no	18
<b>Warnings:</b>					
<b>Information:</b>					
5	NPL Documents	PD-201147-NonFinalOA.pdf	139283 d3de95db01549d9c087a7b15305a076 d3673c59	no	4
<b>Warnings:</b>					
<b>Information:</b>					
6	NPL Documents	PD-200181A-ESRandWO.pdf	751849 6ec239fb7d44c79c51231b51f5edc5d967 b8b306	no	15
<b>Warnings:</b>					
<b>Information:</b>					

7	NPL Documents	ElGamal-XP007904837.pdf	1557467 aea2d88bca45b6d6f4f83847f02b915a3e4eb047b	no	18
<b>Warnings:</b>					
<b>Information:</b>					
8	NPL Documents	Scalart-XP011006070.pdf	710023 668eeb8eb79d102bdc70c3e9833a214c81f72a80	no	8
<b>Warnings:</b>					
<b>Information:</b>					
9	NPL Documents	Arslan-SuccessiveCancellation.pdf	405533 9f73ba05055da6e155c5c546c1127419d230f8b1e	no	5
<b>Warnings:</b>					
<b>Information:</b>					
10	NPL Documents	PD-201014-CA-OA.pdf	120897 e24f9d1a06c12b6cf700c470c4d57b30dfb4d9c71	no	3
<b>Warnings:</b>					
<b>Information:</b>					
11	NPL Documents	PD-201033-NAL.pdf	308845 0ce8bc2a5e247fb4d58105e145f27910923009f0	no	6
<b>Warnings:</b>					
<b>Information:</b>					
12	Fee Worksheet (PTO-06)	fee-info.pdf	8193 87c5c3e6fbc074a6ba55e42a427e0e807dc2980	no	2
<b>Warnings:</b>					
<b>Information:</b>					
<b>Total Files Size (in bytes):</b>			8532162		

This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.

**New Applications Under 35 U.S.C. 111**

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

**National Stage of an International Application under 35 U.S.C. 371**

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

**New International Application Filed with the USPTO as a Receiving Office**

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.